

**Medical record storage and transfer system includes coding system with dual keys to ensure confidentiality and security of data**

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**Abstract of FR2810434**

The system for processing and transferring data uses two data processing systems, with correlated public and private keys enabling secure transfer of data between two locations over telephone lines. The system for handling confidential data includes a first processing assembly comprising a server and first database. This is connected to a data capture and recording module which, using a public key correlated with a private key, writes the data in the server memory. A second processing and storage assembly is provided for storage of data, with a server and memory connected in order to archive the confidential data held in the first database. The second processing assembly may be connected to the first by telephone or specialized lines. A root system is provided for generation of an authentication certificate, with public and private roots, to enable transfer and reading of the data.

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